BRUHATH BENGALURU MAHANAGARA PALIKE

Hebbal Sub Division

Ward No.18

Name of Work: **Construction of RCC drain & culverts in AECS layout 2nd Main Near Krishnappas House in ward-18**

Estimate Cost: 10.00 Lakhs

BRUHATH BENGALURU MAHANAGARA PALIKE

Name of the Work :- Construction of RCC drain & culverts in AECS layout 2nd Main Near Krishnappas House in ward-18

DETAILED ESTIMATE

Ward No.18

Est Cost: Rs. 10.00 Lakhs

Sl No	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
1	Earthwork excavation for foundation of buildings, Culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications. P No.5 Ino 2.4 PWDSR - 2013-14								
	Drain (CC)	Cum	1	95.00	1.50	1.20	**171.00**		
	Over Burden Earth		1	95.00	2.00	0.30	**57.00**		
	(BR+A/Wtg) (Rs.140.50+11.24)						**228.00**	151.74	34596.72
2	Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement @ 180 kgs using 40mm and down size graded granite metal CA @ 0.85 cum and FA @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM machinery, curing complete as per specifications. Specification No.KBS 4. 1.4.2 P No. 12 1 no 4.3 PWDSR - 2013-14								
	Concrete Drain	Cum	1	95.00	1.50	0.15	**21.38**	4290.85	91716.92
	(BR+A/Wtg) (Rs.3973.00+317.85)								
3	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. specification No. KBS 4.6.2 P No 17. 1 No 4.31 PWDSR - 2013-14								
	For concrete drain	Sqm	4	95.00	1.00		**380.00**		
	(BR+A/Wtg) (Rs.251.00+20.00)						**380.00**	271.00	102980.00

	Description of work	Unit	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
4	Providing an laying in position reinforced cement concrete of nominal mix M 20 with OPC @ 320 kgs with 20mm and down size graded granite metal, CA @ 0.878 cum and FA @ 0.459 cum and super palstisizer @ 3 ltr confirming to is 9103-1999 reaffirmed - 2008 machine mixed, concrete laid in layers not exceeding 15 cms thick, vibraited for all works in foundation plinth and ground floor level for retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, butresses, string or lacing courses, parapets, coping, bed blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No.KBS 4.1, 4.6 P No.13. I No. 4.11 PWDSR - 2013-14								
		Cum							
	for side walls		2	95.00	1.00	0.15	**28.50**		
	Bottom slab		1	95.00	1.00	0.20	**19.00**		
	(BR+A/Wtg) (Rs.5222.00+417.75)						**47.50**	5639.75	**267888.13**
5	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm P 24 I NO.5.29.1 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs.293.00+23.45)	Nos					**212.00**	316.45	**67087.40**
6	Providing TMT steel reinforcement for R.C.C work including straghtening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with bindig wire and anchoring to the adjining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per spedification No. KBS 4.6.3 Page No.19.1 No.4.46 PWDSR - 2013-14								
	65 kgs per Cum of RCC Qnty	Qnty	Rate						
	(BR+A/Wtg) (Rs.6834.00+546.70)	Qtl.			Qntls		**30.87**	7380.70	**227842.21**
7	Providing and laying position reinforced cement concrete covering slabs madeout of mix 1:1.50:3 with 20mm and down size granite metal mixed concrete laid in layers not exceeding 15cms vibrated including cost of materials, labor curing providing and laying in position including transportation complete as per specification. (SLAB THICKNESS OF 10CMS)								
	APPROVED DATA RATE	Sqm	1	95.00	1.20		**114.00**	1427.15	**162695.10**
8	Conveying the excavated earth by private vehicle including loading and unloading charges up to 10 kms with all lead and lift.								
		Cum	Qty wide item no (1)				**228.00**	94.82	21619.00

	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plasered concrete surfaces, with materials, labour compete as per specifications. Specification No.KRBS 800.3 MORT & H Specification No.800. P No. 195. I no 24.1 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs.48.00+3.85)	Sqm		95.00	0.30		28.50	51.84	1477.44
10	For Third Party Inspection 2 %								19600.00
11	Miscellaneous and unforessen Charges								2497.09
								Total	1000000.00

(Rupees Ten Lakhs only)

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per KPWD S.R Bangalore circle for the year 2013-14.
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Assistant Engineer
Ward 18

Asst. Exe. Engineer
Hebbal Sub-Dn BBMP
Asst. Executive Engineer
Hebbal Sub-Division
Queens Rd.
Bangalore Mahanagara Palike

Executive Engineer.
Hebbal Division BBMP
Executive Engineer,
Hebbal Division
Bruhat Bangalore Mahanagara Palike

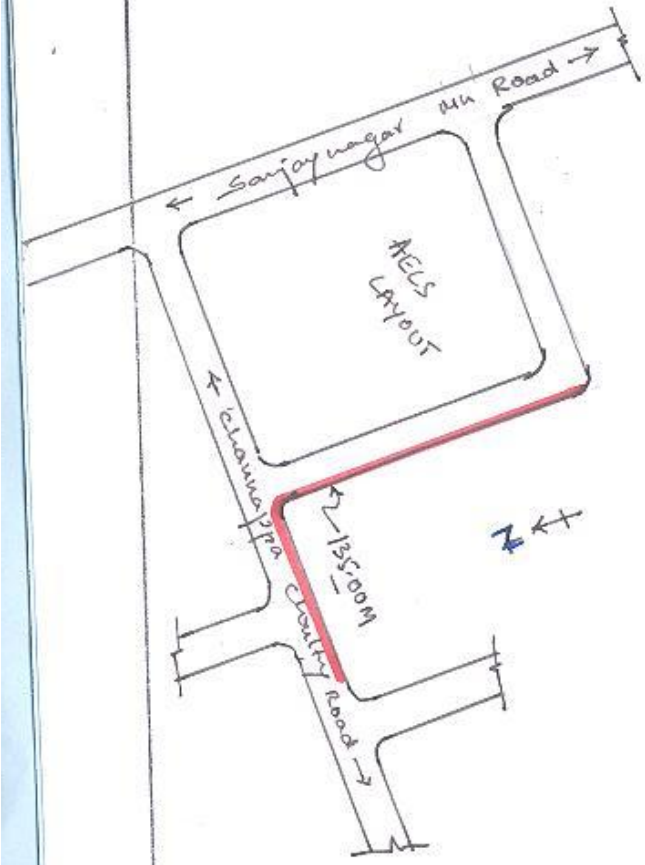
ADMINISTRATIVELY SANCTIONED FOR
Rs. Ten Lakhs Only
Under P-1771, PDW-2013-14
Registered as EE(H) vide No. 90
Suoject to Conditions in Enclosed
Memo No. AS/90/13-14 Dt. 30/10/13

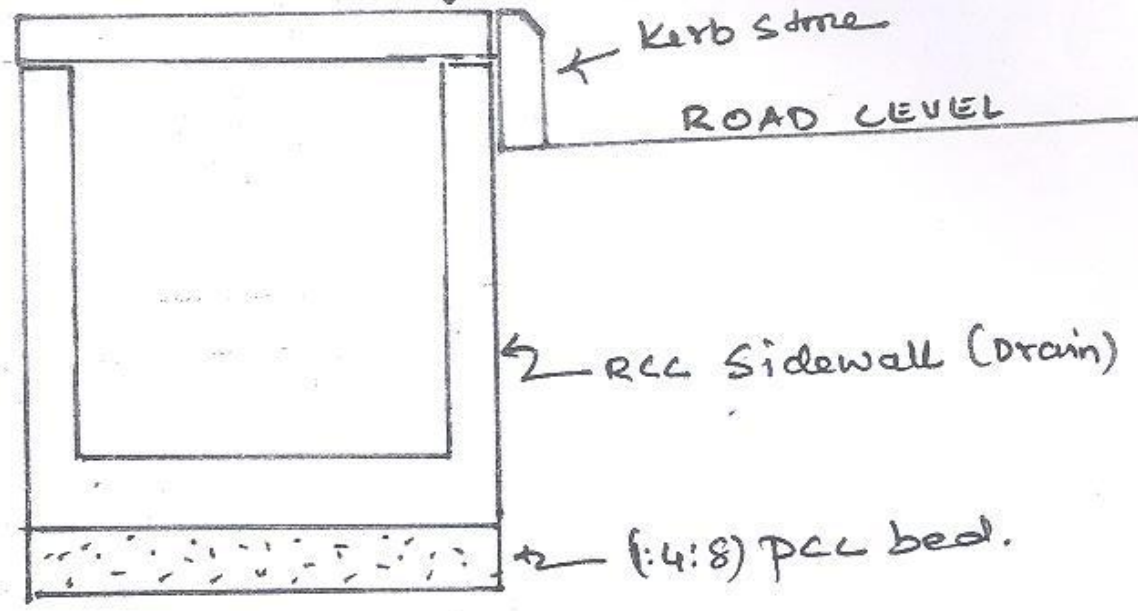
JE / AE
Exe. Engineer (H)

TECHNICALLY SANCTIONED FOR
Rs Ten Lakhs Only
P-1771, PDW-2013-14
Under
Registered as EE(H)vide No 92
Subject to conditions in enclosed memo
No TS/92/13-14 Dt: 30/10/13

JE/AE
EE (H)

Construction of RCC drain and culverts in AECS Layout, 2nd main near Krishnappa's house.





R.C.C. DRAIN.

→ RCC drain

AE-18

Executive Engineer
Hebbal Sub-Division
Queens Road
Bhruth Bangalore Mahanagara Palike
Bangalore - 52.

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Palike